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(54) **Novel formulations for nanoparticulate X-ray blood pool contrast agents using high molecular weight surfactants.**

(57) A composition comprising nanoparticles containing an x-ray diagnostic compound, having a high molecular weight surfactant as a surface modifier adsorbed on the surface thereof and a cloud point modifier associated therewith and methods of making nanoparticles is described. A preferred surfactant is poloxamine and preferred cloud point modifiers include dimyristoylphosphatidylglycerol and dioctyl-sulfosuccinate. A method for diagnostic imaging for use in medical procedures comprising administering to the body of a test subject in need of an x-ray an effective contrast producing amount of the above composition is also described.

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## EUROPEAN SEARCH REPORT

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EP 93 20 3351

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,A	EP-A-0 498 482 (STERLING WINTHROP INC.) * page 3, line 18 - line 21 * * page 7, line 1 - line 38 * * page 10, line 26 - line 43 * * page 11, line 1 - line 4 * ---	1-20	A61K49/04
E	EP-A-0 601 619 (STERLING WINTHROP INC.) * page 2, line 53 - page 3, line 18 * * page 5, line 15 - line 25 * & NO-A-934 144 ---	1-9, 14-20	
E	EP-A-0 601 618 (STERLING WINTHROP) * page 1, line 50 - line 57 * * page 4, line 43 - line 57; claims 2,3 * & FI-A-935 305 ---	1-11, 14-20	
E	EP-A-0 605 024 (STERLING WINTHROP INC.) * page 2, line 54 - page 3, line 16 * * page 5, line 40 - line 52; claims 1-3 * & NO-A-934 271 ---	1-20	
E	EP-A-0 600 532 (STERNLING WINTHROP INC.) * page 2, line 42 - line 56 * * page 3, line 2 - line 12 * * page 5, line 10 - line 23; example 1 * & NO-A-934 203 -----	1-9, 12-20	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 October 1994	Examiner Berte, M
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			